



# Anti-MBL2 polyclonal antibody (DPABY-318)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Mannan binding lectin (MBL) belongs to the collectin family of innate immune defense proteins, which bind an array of carbohydrate patterns on pathogen surfaces. Collectin family members share several common structural features including a N-terminal, cysteine-rich domain, a collagen-like region, an alpha-helical coiled-coil neck domain and a C-terminal, C-type (Ca <sup>2+</sup> -dependent ) lectin or carbohydrate recognition domain. MBL homotrimerizes to form a structural unit joined by N-terminal disulfide bonds. These homotrimers further associate into oligomeric structures of up to six units.
<b>Specificity</b>	Detects human MBL in ELISAs and Western blots. In sandwich ELISAs, less than 0.05% cross-reactivity with recombinant mouse (rm) MBL and rmMBL-2 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human MBL. Glu21-Ile248 Accession Number AAH96182
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None

<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month from date of receipt, 2 to 8 °C, reconstituted.
	6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MBL2 mannose-binding lectin (protein C) 2, soluble [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MBL2
<b>Synonyms</b>	MBL2; mannose-binding lectin (protein C) 2, soluble; MBL; MBP; MBP1; MBPD; MBL2D; MBP-C; COLEC1; HSMBPC; mannose-binding protein C; collectin-1; mannan-binding lectin; mannose-binding lectin 2, soluble (opsonic defect); mannose-binding lectin (protein C)
<b>Entrez Gene ID</b>	<a href="#">4153</a>
<b>Protein Refseq</b>	<a href="#">NP_000233</a>
<b>UniProt ID</b>	<a href="#">P11226</a>
<b>Chromosome Location</b>	10q11.2
<b>Pathway</b>	Complement and coagulation cascades; Complement cascade; Creation of C4 and C2 activators; Immune System; Initial triggering of complement; Innate Immune System; Lectin pathway of complement activation; Phagosome;
<b>Function</b>	calcium-dependent protein binding; mannose binding; protein binding; receptor binding;